

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046
 SUIT # - 3
 OUTER GARMENT W/FLOAT GEAR - 3
 HELMET # - 2
 GLOVES # - 4
 BOOTS - 2 G.D

FLIGHT DATE 4 Oct. 67
 DON 1005
 DOFF 1525
 TIME IN SUIT 5+20
 TECHNICIAN

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>	<u>3 Oct. 67</u> <u>MS</u>		
Max Pressure	<u>116</u>	<u>102</u>	<u>118</u>
Differential	<u>1.1</u>	<u>1.5</u>	<u>1.2</u>
Leak Rate	<u>500</u>	<u>400</u>	<u>700</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>113</u>	<u>120</u>	<u>115</u>
Differential	<u>1.1</u>	<u>1.6</u>	<u>1.2</u>
Leak Rate	<u>550</u>	<u>400</u>	<u>650</u>
Unpress Leak Rate	<u>450</u>	<u>450</u>	<u>500</u>
Face Heat	<u>19-2</u>		
Comm and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>33</u>		
Packet	<u>✓</u>		<u>✓</u>
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046
 SUIT # 7-3
 OUTER GARMENT W/FLOAT GEAR 7-3
 HELMET # -1
 GLOVES # -6
 BOOTS -1 RD

FLIGHT DATE _____
 DON _____
 DOFF _____
 TIME IN SUIT _____
 TECHNICIAN _____

PRESS-TO-TESTPRE-FLIGHTSUBJECT TESTPOSTFLIGHTSYSTEM #1

9 Oct. 67
913

Max Pressure 113
 Differential 1.1
 Leak Rate 625

SYSTEM #2

Max Pressure 117
 Differential 1.1
 Leak Rate 750

Unpress Leak Rate 450

Face Heat 22-2

Comm and Cord ✓

Pencils ✓

Knife ✓

Controller Number _____

Packet _____

Grease Zippers _____

Check Location of CO₂ _____

Pressure Tap Screws _____

*Secondary
 Suit*

PRESSURE SUIT HOOK-UP AND CHECKLIST

1. ~~Packet~~ in pocket.
 2. ~~Stirrups~~ secured.
 3. ~~Communication~~ secured and functioning.
 4. ~~Face~~ heat on (low).
 5. ~~Oxygen~~ hoses secured in QD.
 6. ~~Three~~ harness snaps secured - harness adjusted and surplus stowed.
 7. ~~Kit~~ adjusted and surplus stowed.
 8. ~~Two~~ (2) bailout hoses secured.
 9. ~~Lap~~ belt, shoulder harness, key secured and adjusted.
 10. ~~Oxygen~~ hoses under right leg strap, chest strap under helmet-hold-down.
 11. ~~Emergency~~ oxygen lanyard secured and pin removed.
 12. ~~Red~~ knob secured.
 13. ~~Green~~ apple secured.
 14. ~~Manual~~ over ride handle secured.
 15. ~~Two~~ (2) rocket jet releases secured.
 16. ~~Check~~ face heat.
 17. ~~Heat~~ probe.
 18. ~~Press~~ to test both oxygen systems.
 19. ~~Readjust~~ lap belt.
 20. ~~151T LANYARD HOOKED~~ LOW oxygen pressure - #1 system 65/70 #2 system 75/80.
 21. HIGH oxygen pressure Departing #1 system 9.5 #2 system 9.25.
TIME: 1025
 22. ~~Foot~~ rest guards over seat foot rests.
- SUBJECT 1046 AIRCRAFT NUMBER 127
- TECHNICIAN DATE OF FLIGHT 4 OCT 67
- HIGH oxygen pressure Returning #1 system 8 #2 system 8.5.
TIME: 1515

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Pack opening elastics secured.
3. ✓ First stage jettison mated and pins secured.
4. ✓ Two (2) rocket jet units secured.
5. ✓ Manual over ride handle secured.
6. ✓ Green apple secured.
7. ✓ Red knob secured.
8. ✓ Bailout hoses adjusted for pressure suit.
9. ✓ Bailout hose connectors operating.
10. ✓ Harness adjusted for HIGH flight.
11. ✓ Automatic openers - triggered and reset.
12. ✓ Aneroids 1400' to 7500'.
13. ✓ Bailout cylinder pins secured.
14. ✓ Bailout cylinder pressure #1 1800 #2 1800.
15. ✓ Communication cord secured to chute.
16. ✓ Visual inspection completed.

SURVIVAL KIT

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
8. ✓ Pip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 46 AIRCRAFT NUMBER 27
TECHNICIAN DATE OF FLIGHT 4 Oct 67
SEAT KIT NUMBER 46 PARACHUTE NUMBER 106
TYPE CUSHION SBM VENT HOSE NUMBER 60

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 4 Oct 67 ACFT 27 PILOT TIME IN FLIGHT 4+20 TIME IN SUIT 5+20 PREBREATHING TIME 1:00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT) ✓

2. SURVIVAL KIT AND CUSHION ✓

3. PARACHUTE 4 Pin #106 ✓4. HELMET - 2 ✓

A. REFLECTIONS ✓

B. FACE HEAT ✓

C. COMMUNICATIONS ✓

5. SUIT PROPER - 3 ✓

A. CABIN DECOMPRESSION: YES

(NO)

6. OUTER GARMENT - 3 ✓7. BOOTS AND SPURS - 2 Q.D.8. GLOVES - 4

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT
#1	1025 9.5	1515	8
#2	1025 9.25	1515	8.5

10. MISCELLANEOUS

11. EVALU

25X1A

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Pack opening elastics secured.
3. ✓ First stage jettison mated and pins secured.
4. ✓ Two (2) rocket jet units secured.
5. ✓ Manual over ride handle secured.
6. ✓ Green apple secured.
7. ✓ Red knob secured.
8. ✓ Bailout hoses adjusted for pressure suit.
9. ✓ Bailout hose connectors operating.
10. ✓ Harness adjusted for HIGH flight.
11. ✓ Automatic openers - triggered and reset.
12. ✓ Aneroids 1400' to 7500'.
13. ✓ Bailout cylinder pins secured.
14. ✓ Bailout cylinder pressure #1 1800 #2 1800.
15. ✓ Communication cord secured to chute.
16. ✓ Visual inspection completed.

SURVIVAL KIT

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
8. ✓ Pip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 55 AIRCRAFT NUMBER 31
TECHNICIAN DATE OF FLIGHT 40c+67
SEAT KIT NUMBER 55 PARACHUTE NUMBER 125
TYPE CUSHION SBM VENT HOSE NUMBER 76

PRESSURE SUIT HOOK-UP AND CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Communication secured and functioning.
4. ✓ Face heat on (low).
5. ✓ Oxygen hoses secured in QD.
6. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
7. ✓ Kit adjusted and surplus stowed.
8. ✓ Two (2) bailout hoses secured.
9. ✓ Lap belt, shoulder harness, key secured and adjusted.
10. ✓ Oxygen hoses under right leg strap, chest strap under helmet-hold-down.
11. ✓ Emergency oxygen lanyard secured and pin removed.
12. ✓ Red knob secured.
13. ✓ Green apple secured.
14. ✓ Manual over ride handle secured.
15. ✓ Two (2) rocket jet releases secured.
16. ✓ Check face heat.

- N/A 17. Heat probe. *now*
18. Press to test both oxygen systems.
19. Readjust lap belt.

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- BUTTON UNSNAPPED**
20. LOW oxygen pressure - #1 system 80/20 #2 system 75/70.
21. HIGH oxygen pressure Departing #1 system 9.5 #2 system 9.25.
22. ✓ Foot rest guards over seat foot rests. TIME 11:25

SUBJECT 55 AIRCRAFT NUMBER 31

TECHNICIAN DATE OF FLIGHT 4 Oct 67

HIGH oxygen pressure Returning #1 system _____ #2 system _____

TIME

25X1A

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1055
 SUIT # -2
 OUTER GARMENT W/FLOAT GEAR -2
 HELMET # -2
 GLOVES # -2
 BOOTS -2 QD

FLIGHT DATE 4 Oct 67
 DON 1000
 DOFF 1245
 TIME IN SUIT 2+45 25X1A
 TECHNICIAN

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>	<u>3 Oct 67</u> <u>913</u>		
Max Pressure	<u>111</u>	<u>120</u>	<u>115</u>
Differential	<u>1.2</u>	<u>106</u>	<u>1.2</u>
Leak Rate	<u>825</u>	<u>350</u>	<u>850</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>115</u>	<u>120</u>	<u>116</u>
Differential	<u>1.1</u>	<u>106</u>	<u>1.2</u>
Leak Rate	<u>1200</u>	<u>400</u>	<u>900</u>
Unpress Leak Rate	<u>200</u>	<u>300</u>	<u>200</u>
Face Heat	<u>18.0</u>	<u>✓</u>	
Commo and Cord	<u>✓</u>	<u>✓</u>	
Pencils	<u>✓</u>	<u>✓</u>	
Knife	<u>✓</u>	<u>✓</u>	
Controller Number	<u>76</u>	<u>76</u>	<u>76</u>
Packet	<u>✓</u>	<u>✓</u>	<u>✓</u>
Grease Zippers	<u>✓</u>	<u>✓</u>	
Check Location of CO ₂	<u>✓</u>	<u>✓</u>	
Pressure Tap Screws		<u>✓</u>	

Next 1 Page(s) In Document Exempt

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TOP SECRET

FROM: Mission Coordinator

30 OCT 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held in the Operations Briefing Room on 30 OCT 1967 at 1140 L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6725
2. Date/Time of Launch (H-Hour): 4 OCT 10210 Z/ 1110 L.
3. Ground Spare (H+1:00): 4 OCT 10310 Z/ 1210 L.
4. Bases: Takeoff KAD Staging —, Landing KAD.
5. Equipment required: TYPE I,
6. Ground Spare Requirements: SAME AS PRIMARY

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7. Special Instructions/Comments: LAUNCH B/U AIRCRAFT ONLY IF
PRIMARY ABORTS, A-50 ADDITIVE WILL BE USED FOR THIS MISSION
 FOR THE COMMANDER

Mission Coordinator

<u>Office</u>	<u>Time(L)</u>	<u>Recipient</u>	<u>Office</u>	<u>Time(L)</u>	<u>Recipient</u>
CMDR	_____	_____	DCOL	_____	_____
DCO	_____	_____	DCOC/MC	_____	_____
DCM	_____	_____	DCOMI	_____	_____
DCS	_____	_____	DCOW	_____	_____
SECUR	_____	_____	COMMO	_____	_____
FLT SURG	_____	_____	AFCS	_____	(Notify Only)
DCOM	_____	_____	TTFC(SAC)	_____	(Notify Only)

TOP SECRET

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*** TOP SECRET ***

DCOL CHECK LIST

* DENOTES MANDATORY CALL TO COMMAND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: ✓ 1110-1140

DESIGNATE LIFE SUPPORT TECHNICIANS:

A/C 27-46 P

A/C 51-55 S

H-23:30: ATTEND COMMANDERS BRIEFING:..... ✓ 1140

SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL..... ✓ 1140

SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL..... ✓ 1310-1340

H-22:00 TO H-21:30: COORDINATE WITH INTELLIGENCE AND SURVIVAL PERSONNEL ON SURVIVAL AND E&E ITEMS:..... ✓ 1310-1810

H-22:00 TO H-17:00: PREFLIGHT:

BOTH SUITS (FA PILOT)..... ✓ 1310-1810

PARACHUTE AND EMERGENCY O2 SYSTEMS..... ✓

SEAT KIT COMPONENTS..... ✓

SUIT ROOM VENT..... ✓

LOX VENT UNIT..... ✓

OXYGEN CYLINDERS..... ✓

TEST EQUIPMENT..... ✓

TRANSPORT VANS..... ✓

H-20:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:..... ✓ 1510

H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:..... ✓ 0810-0930

H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF PRIMARY AND SPARE PILOTS AND AIRCRAFT:..... ✓ 0910

P

S

INSTALL SEAT KIT AND PARACHUTE:.....

H-2:00: RECEIVE PACKET FROM INTELLIGENCE..... ✓ 0910

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:..... ✓ 0925-0940

H-1:40 TO H-1:25: FLIGHT SURGEONS MEDICAL IN DCOL:..... ✓ 0930-0945

H-1:20 TO H-1:10: DRESS PILOT, PRESSURE CHECK EQUIPMENT:..... ✓ 0950-0955

H-1:10 TO H-1:05: PREPARE FOR PILOT TRANSPORT:..... ✓ 0955-1000

*H-1:05 TO H-1:00: TRANSPORT TO AIRCRAFT:..... ✓ 1005-1010

*H-1:00 TO H-0:45: PILOT HOOKUP AND SUIT A/C CHECK:..... ✓ 1010-1025

H-0:45 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:..... ✓ 1025-1110

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....

POST-FLIGHT EQUIPMENT:.....

*** TOP SECRET ***